

BEST AVAILABLE COPY

## INFORMATION RECORDING AND REPRODUCING DEVICE

**Publication number:** JP4243024

**Publication date:** 1992-08-31

**Inventor:** TANAKA MASAHIKO

**Applicant:** TOKYO SHIBAURA ELECTRIC CO

**Classification:**

- international: G11B7/00; G11B7/09; G11B7/135; G11B7/00;  
G11B7/09; G11B7/135; (IPC1-7): G11B7/00; G11B7/09

- european:

**Application number:** JP19910003963 19910117

**Priority number(s):** JP19910003963 19910117

*[Signature]*  
Report a data error here

### Abstract of JP4243024

**PURPOSE:** To simultaneously and exactly subject multilayered recording layers to focus control with high accuracy by subjecting one of plural light beams to ordinary focus control and moving the light sources themselves for the other beams. **CONSTITUTION:** The three light beams 2a, 2b, 2c are condensed by an objective lens 4 to 3 layers of multilayered recording media 5. The change in the shape of the one light beam 2a among these beams is detected by a photodetector 9a to obtain a focus error signal. The recording layer 5a is then subjected to the ordinary focus control. The other two light beams 2b, 2c are subjected to the focus control with the laser light sources 1b, 1c by using, for example, piezo elements and moving the light source positions. The tracking control is executed in the same manner as well. The respective recording layers are subjected exactly to the focus control in such a manner and the simultaneous recording or reproducing of the respective recording layers 5a, 5b, 5c is possible.

